

8/015/041

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BLM San Rafael Resource Area  
900 North 700 East  
Price, Utah 84501

24 October 1990

SUBJECT: Notice of Gypsum Quarrying Operations in SW/4 sec. 29, T. 22 S.,  
R. 9 E., San Rafael Swell Area, Emery County, Utah  
BJ-2 UMC # 212727 Book J 250 Page 435

Operator Lanny L. Jensen will exercise reasonable measures to prevent unnecessary or undue degradation of the Federal Lands in the SW/4 of sec 29, during gypsum quarrying operations.

1. The access route to the gypsum rock is south from the Moore Road in claim BJ-2, NE/4, NE/4, SW/4 sec. 29, T. 22 S., R. 9 E. The gypsum rock crops out immediately off of the graded road, in the southern 2/3 rds of the BJ-2 claim. Temporary roads within the BJ-2 claim will actually be interior to the quarry and eventually on the floor of the quarry as the gypsum rock is removed. (see enclosed map 1 : 6,000 scale)

2. The operation will produce no deleterious materials or substances. All temporary stockpiles or dumps of overburden will be redistributed as reclamation fill and cover.

3. Reclaiming by leveling, backfilling, etc. will be scheduled to conveniently follow quarrying of the gypsum rock.

4. i The gypsiferous "topsoil" will first be removed and stockpiled, then after quarrying the gypsum rock, this "topsoil" will be redistributed over and across the abandoned part of the quarry.

4. ii The quarry activities will not increase the rate of erosion, cause landslides, or increase the rate of water runoff. The quarry site is located in "badland" topography which is intricately dissected.

4. iii There are no naturally toxic materials in the bedrock. All waste fuels, oils, grease and other materials associated with the quarrying activities will be removed from the site and disposed of in an approved dump.

4. iv Reshaping and contouring of the disturbed surface will be to slope grades less than the original contours of the surface in SW/4 sec. 29. Original gypsiferous topsoil will be redistributed and furrowed across the disturbed surface before reseeding.

5. The BLM San Rafael Resource Area management in Price, Utah will be updated periodically by the Operator and /or Owner of the current activities and future plans concerning both the quarrying operations and the reclamation activities.



**Reclamation** will be concurrent with quarrying activities so that at no time greater than 5 (five) acres will be involved in the active quarry. This plan of operations follows 43 CFR 3809.1-3 **Notice of disturbance of 5 acres or less.**

**Description of Quarry Site:** Approximately 15 acres in Area (A) in claim BJ-2, NE/4, SW/4 sec. 29, is the site of the first quarrying operations in the development of the San Rafael gypsum resource.

The stratigraphic thickness of the gypsum rock is approximately 14 feet. The mineable thickness varies with the outcrop thickness. The gypsum rock is underlain by a red siltstone which limits the depth of excavation to less than 14 feet. After the quarrying is complete there will be no enclosed interior pit because the gypsum rock is a slab resting upon the tilted red siltstone.

**Sequence of Development:**

- |                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Completed Activities: | a) resource identification and evaluation<br>b) exploration drilling<br>c) choice of initial production site<br>d) initial drilling and blasting                    |
| Ongoing Activities:   | e) quarrying larger tonnages of gypsum rock for market testing<br>f) test shipments to Sigurd, Utah<br>g) test shipments to cement plants                           |
| Planned Activities:   | (next 6 months Nov. 90 to May 91)<br>h) production shipments as determined by markets<br>i) intermittent on site drilling and blasting, and crushing and screening. |

**Equipment:**

- A) Continually on site for Loading Activities
  - 1. 966 Loader
  - 2. Bucket Scales
- B) Haulage from Quarry Site:
  - 1. trucks with trailers (variable with production)
- C) Stripping, removal of Overburden and Reclamation
  - 1. D-8 or D-9 Bulldozer on site when needed
- D) Drilling and Blasting Equipment when needed
- E) Crushing, Screening, and Stockpiling
  - 1. subcontracted at initial stages of operation